

## **ABSTRACT**

A method and arrangement for successively feeding batches into a mixing vessel under partial vacuum for the preparation of bone cement. The arrangement includes an inner container communicating with the atmosphere and with the mixing vessel, which container is so arranged as to enclose a glass ampoule containing a liquid bone cement component, and on the other hand, a device for opening the ampoule so that its contents can be sucked into the mixing vessel under partial vacuum. An outer container encloses the inner container at least partially, and is arranged to communicate with the mixing vessel. The inner container, and the outer container, define a space filled with a proportional quantity of a second bone cement component, which is in powder form. The inner container is capable of displacement relative to the outer container between a first position, in which sections of the inner container prevent communication between the mixing vessel and the atmosphere, and a second position, in which communication between both the mixing vessel and the atmosphere is open, so that the powdered bone cement component can be sucked into the mixing chamber under vacuum. The feeding sequence of the bone cement components is arbitrary. In other embodiments, the inner and outer containers are eliminated, or only the inner container is retained.